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Technical specifications

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Navigation

One-button-GPS:	Quick and easy back-tracking to start position with only one button press with the Multi Navigator TM switched on.
Waypoints:	1000 Waypoints with 8-character name - stored complete with the extremely accurate altitudes.
Routes:	10 reversible routes, each with up to 100 waypoints.
Track logging:	Automatically records your trip and stores it for display on your GlobalMapPlanner (accessory software).
Map datums:	More than 100 local map datums.
Grid systems:	More than 10 including UTM, MGRS, plus Swiss, Australian, New Zealand, Swedish and UK grids.

GPS-Receiver

Receiver type:	12-channel parallel, for continuous tracking of 12 satellites maximum.
Position update rate:	1 per second when in continuous GPS navigation mode.
Time to first fix:	Frozen (first time in use) - approx. 1-2 min, Cold (has not been navigating the last 4 hours) - approx. 45 seconds Warm (has been navigating within the last 4 hours) - approx. 10 seconds Reacquisition (occasionally lost satellite signal reception) - approx. 0,1 second
Differential GPS:	Ready for differential corrections. (RTCM-SC104)
Antenna:	Built-in patch antenna.
Accuracy:	15 metres RMS. 1-5 metres RMS with DGPS*. * = Note that different DGPS services are available in different countries, which is why the accuracy can vary.

Electronic compass

IntelliCompass:	Compensates for Earth's local magnetic declination at geographic position and shows true compass course.
Magnipointer:	Quick "point and press" waypoint creator.
Accuracy:	Better than 3 degrees provided it is autodeviated and held horizontal. (Compass alignment offset can be adjusted as a part of the magnetic declination setting)
Resolution:	1 degree.

Altimeter

Altitude:	-700 m to +9200 m
Memory:	Maximum altitude visited.
Calibration:	By either altitude or QNH (QuasiNonHydrostatic - reduced air pressure at sea level).
Accuracy:	3 meter provided properly calibrated.
Resolution:	1 meter

Weather station - Barometer

Forecast:	Shows forecast for 12 hours ahead as: Sunny, Partly cloudy, Cloudy, Rainy and Storm Warning.
Barometric pressure range:	300-1100 hPa
Barometric history:	Pressure changes over the last 24 hours.
Units:	hPa, mbar, inHg and mmHg.
Accuracy:	+/- 1.5 hPa

Data I/O

- NMEA 0183 In/Out
 - Nexus PP
 - RTCM-SC104 DGPS Input
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Miscellaneous

Internal power:	2 pcs AA batteries (not included)
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External power:	6-28 VDC
Battery life****:	Typical compass navigation - Up to 60 days** Typical compass/GPS navigation - Up to 100 hours*** Continuos GPS navigation -Up to 10 hours
Languages:	More than 7 (including English, French, German, Spanish, Portugese, Italian, Dutch and Swedish)
Operating temperature range:	-25° to +70 °C
Flash memory:	Upgradeable software.
EMC Standards:	EN 50 081-1 (1992) Generic emission standard EN 50 082-1 (1997) Generic immunity standard

**=15 seconds every 5th minute. Continuos barometer logging.

***= GPS position update every 30th minute, compass 15 seconds every 5th minute. Continuos barometer logging.

****=Remember that alkaline batteries lose a significant amount of energy when used in low temperatures. If the Multi-Navigator TM is to be used in freezing conditions we recommend Lithium batteries. Please also note that the GPS Receiver will do its utmost to stay in navigation in harsh conditions where signal level is low. This will consume a bit more power than in open areas.

Dimensions etc.

Size:	170x61x30 mm
Weight:	254 g (including batteries)
Display:	24 Character High-contrast, back lighted LCD.
Keyboard:	9 buttons, back lighted.

Standard accessories

- Users manual
- Wrist strap
- Interactive neoprene carrying case

Warranty

2-years (see warranty card)

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